

Converting Colors

$Y_{xy}(35.6291, 0.2292, 0.3294)$

Have a look what the booklet for
Yxy(35.6291, 0.2292, 0.3294)
contains.

Yxy(35.4302, 0.2290, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.4302, 0.2290, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	24B2B2
RGB	36, 178, 178
RGB Percent	14%, 70%, 70%
CMY	0.8598, 0.3019, 0.3020
CMYK	0.80, 0.00, 0.00, 0.30
HSL	180°, 67%, 42%
HSV	180°, 80%, 70%
XYZ	24.6761, 35.4302, 47.6497
YIQ	135.5420, -84.6320, -30.1040

Conversions

Conversions Part 2

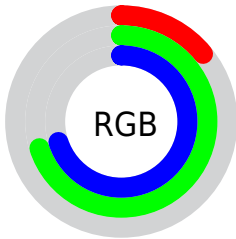
Format	Color
RYP	36, 107, 178
Decimal	2405042
CIELab	66.08, -34.83, -10.32
CIElCh	66, 36.330, 196.507
Yxy	35.4302, 0.2290, 0.3288
Android (android.graphics.Color)	4280595122 (0xFF24B2B2)
YUV	135.5420, 20.9318, -87.2983
Hunter-Lab	59.5233, -30.1662, -5.7967

Details

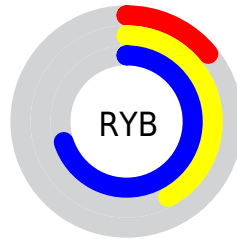
The Yxy color **35.4302, 0.2290, 0.3288** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.8402, 0.5872, 0.3298**, and the grayscale version is **24.3594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0374, 0.2444, 0.3288**, and **16.1479, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **35.1888, 0.2262, 0.3288**, and if you desaturate by 10%, it is **35.8331, 0.2336, 0.3288**.

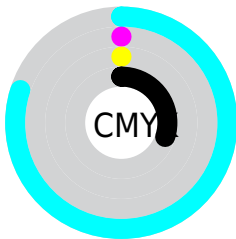
Distribution



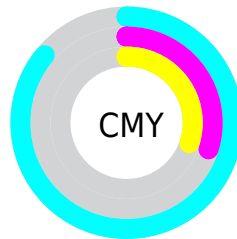
- Red (14%)
- Green (70%)
- Blue (70%)



- Red (14%)
- Yellow (42%)
- Blue (70%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)





- Cyan (86%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4302, 0.2290, 0.3288 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 35.4302, 0.2290, 0.3288 by changing the saturation by 10% instead.


 35.4302, 0.2290,
0.3288


 35.4302, 0.2290,
0.3288


326.4632, 0.2716,
0.3301

 23.9945, 0.2182,
0.3280


 68.1517, 0.2446,
0.3296

 15.3295, 0.2044,
0.3267


 90.2062, 0.2504,
0.3298

 9.0510, 0.1859,
0.3244


 116.5691, 0.2553,
0.3299

 4.7744, 0.1605,
0.3201

 147.6248, 0.2595,
0.3300

 2.1155, 0.1237,
0.3108

 183.7576, 0.2632,
0.3301

 0.6733, 0.0000,
0.3038

225.3521, 0.2663,

 0.0000, 0.0000,

0.3301

0.0000

272.7924, 0.2691,
0.3301

■ 35.4302, 0.2290,
0.3288

■ 35.4302, 0.2290,
0.3288

■ 35.1888, 0.2262,
0.3288

■ 35.8331, 0.2336,
0.3288

■ 35.0615, 0.2247,
0.3288

■ 36.4144, 0.2401,
0.3288

■ 35.0604, 0.2247,
0.3288

■ 37.1932, 0.2484,
0.3288

■ 38.1851, 0.2585,
0.3289

■ 39.4041, 0.2703,
0.3289

■ 40.8630, 0.2835,
0.3289

■ 42.5737, 0.2977,
0.3290

■ 44.5474, 0.3129,
0.3290

■ 46.7945, 0.3285,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.4302, 0.2668, 0.3849



35.4302, 0.2290, 0.3288



35.4302, 0.2131, 0.2793

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.4302, 0.2290, 0.3288



35.4302, 0.2983, 0.2530



35.4302, 0.4114, 0.4031

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.4302, 0.2290, 0.3288



10.8402, 0.5872, 0.3298

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.4302, 0.4237, 0.3632



35.4302, 0.2290, 0.3288



35.4302, 0.3551, 0.2808

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.4302, 0.2290, 0.3288



35.4302, 0.2501, 0.2414



35.4302, 0.4028, 0.3198



35.4302, 0.3723, 0.4281

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.4302, 0.2290, 0.3288



35.4302, 0.2155, 0.2570



35.4302, 0.4028, 0.3198



35.4302, 0.4190, 0.3908

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.4315, 0.2290, 0.3288



72.8417, 0.2774, 0.3289



32.3874, 0.3020, 0.5739



15.9358, 0.2728, 0.3289



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.4315, 0.2290, 0.3288



63.6277, 0.2251, 0.3288



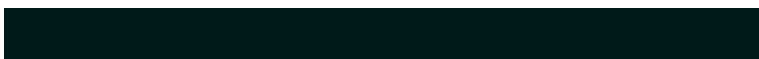
14.5784, 0.1952, 0.1996



9.6315, 0.2986, 0.3290



25.0813, 0.2247, 0.3288



0.7892, 0.2247, 0.3288

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.8402, 0.5872, 0.3298



17.3861, 0.6347, 0.3299



19.5978, 0.4989, 0.4129



8.5053, 0.3287, 0.3290



6.7724, 0.6400, 0.3300



0.2131, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 35.4302, 0.2290, 0.3288 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 35.4302, 0.2290, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

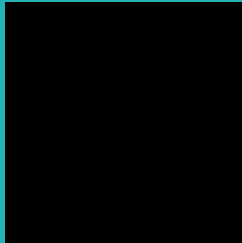
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

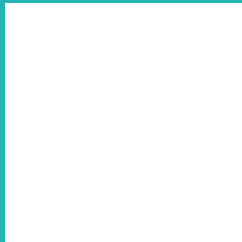
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.4302, 0.2290, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 35.4302, 0.2290, 0.3288.

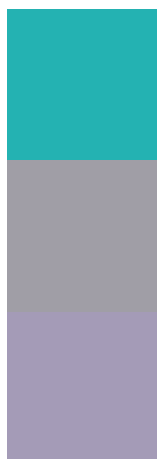


This preview shows how white text looks on a background with the Yxy color 35.4302, 0.2290, 0.3288.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

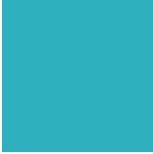
35.4302, 0.2290, 0.3288

Protanopia

34.6805, 0.3075, 0.3173

Deuteranopia

34.7541, 0.2966, 0.2897



Tritanopia

35.3727, 0.2250, 0.3062

Trichromacy



Original Color

35.4302, 0.2290, 0.3288



Protanomaly

33.4574, 0.2665, 0.3209



Deuteranomaly

33.3125, 0.2599, 0.3009



Tritanomaly

35.5030, 0.2263, 0.3141

Monochromacy



Original Color

35.4302, 0.2290, 0.3288



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.0202, 0.2653, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4302, 0.2290, 0.3288 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(36, 178, 178)` looks like.

```
.text, #text, p{  
    color:rgb(36, 178, 178)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(36, 178, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 178, 178) }
```

Border

The CSS property to change the border of an element to Yxy 35.4302, 0.2290, 0.3288 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(36, 178, 178) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(36, 178, 178) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(36, 178, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 178, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 178, 178);  
box-shadow:4px 4px 4px 4px rgb(36, 178,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4302, 0.2290, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 178, 178) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(36, 178,  
178) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor